

Laboratory Operations Requirements Variance Form

The requesting DD/PI/OD (or POC) shall complete items 1-6.

1. Variance to LPR(s) or LIR(s) document number: LIR220-03-01

Title
LANL Engineering Standards Manual OST220-03-01

Section/Page
Chapter 7/Section D5020/Page 23

2. Variance (Use continuation sheet if necessary.)

Permit existing self-luminous exit signs that fail or reach the end of their rated life to be replaced with self-luminous exit signs. Refer to ESM Chapter 7, Section D5020, Paragraph 8.4-B.1.

3. Justification (Use continuation sheet if necessary.)

ESM Chapter 7, Section D5020, Paragraph 8.4-B.1 requires that existing "tritium-powered" self-luminous exit signs that fail or reach the end of their rated life be replaced with electrically-powered LED-type emergency exit signs. This typically is very costly because it requires the installation of a general lighting circuit that complies with National Electrical Code section 700.12(E).

4. Applicable compensating measures (Use continuation sheet if necessary.)

The purpose of the requirement was to remove these exit signs that contain radioactive tritium from LANL facilities to avoid possible future hazardous waste disposal costs. With this variance in place the remaining ESM requirements will continue to meet the intent in a cost-effective manner: (1) Self-luminous exit signs be replaced with LED-type emergency exit signs when the lighting system in an area is renovated or replaced. (2) Electrically-powered LED emergency exit signs will be used in new facilities.

5. Variance being requested for (specify dates or duration): April 1, 2004 and thereafter. Variance applicable to all facilities.

6. Requesting DD/PI/OD (or designee) must sign this section of the variance request.

Requesting DD/PI/OD (Print)

Title

Signature

Date

David W. Powell

ESM Chapter 7 POC

David W. Powell 3/30/04

The requesting DD/PI/OD (or POC) shall forward a copy of the request form to the Action DD/PI/OD (or POC) and a copy to the LSRPIESH-OIO, MS C303.

The action DD/PI/OD (or designee) shall complete items 7-8 within 15 working days.

7. Variance: ☒ Approved for a duration of: until ESM revision ☐ Denied ☐ Other (Use continuation sheet if necessary.)

8. Action DD/PI/OD (Print)

Title

Signature

Date

ASmith FWO DL *STANFORD* 3/31/04

The action DD/PI/OD (or POC) shall send a copy of the original form indicating approval/denial to the requesting DD/PI/OD (or POC) and shall send a copy of the form to the LSRPIESH-OIO for record retention.

9. Requesting and Action Directors concur with changes made to this request for variance: Date:

Requesting Director (sign)

Action Director (sign)

The DLD-OPS shall approve/deny the variance if/when resolution is not reached at the requesting and action DD/PI/OD level.

10. Variance: ☐ Approved for a duration of: ☐ Denied ☐ Other (Use continuation sheet if necessary.)

11. DLD-OPS (Print)

Signature

Date

The Engineering Standards LIR requires variances to be approved by the Standards Discipline POC, Standards Manager, and Chief Engineer prior to submission to the FWO DL.

Because this Variance was initiated and signed by POC David Powell (on behalf of two FMs), only the following additional signatures are required before submission to Tony Stanford:

 3/30/04

Tobin Oruch, Engineering Standards Manager/Date



Gurinder Grewal, FWO Chief Engineer

Please return original Variance to Tobin Oruch, M702, for distribution after FWO DL action.